



485680



**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT**

I. IDENTIFICATION

| | |
|----------|----------------|
| 01 STATE | 02 SITE NUMBER |
| 26 | 980901938 |

II. SITE NAME AND LOCATION

| | | | | | |
|--|-----------------------|---|----------------------------|------------------------------|---------------------------|
| 01 SITE NAME (Legal, common, or descriptive name of site) <u>Total Petroleum, Inc. - Midwest Site</u> | | 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <u>1290 N. Bridge Street</u> | | | |
| 03 CITY <u>Alma</u> | 04 STATE <u>MI</u> | 05 ZIP CODE <u>48801</u> | 06 COUNTY <u>Branch</u> | 07 COUNTY CODE <u>057</u> | 08 CONG DIST <u>10</u> |
| 09 COORDINATES LATITUDE <u>43° 22' 52"</u> | | LONGITUDE <u>84° 38' 55"</u> | | | |
| Alma North Quad MI. 7.5 min | | | | | |

1C DIRECTIONS TO SITE (Starting from nearest public road)

South on 27 get off at Begole going south (right hand turn) Begole turns into Bridge Ave. Cross Pine River, site on right side of Bridge Ave AFTER crossing River.

III. RESPONSIBLE PARTIES

| | | | | | |
|---|-----------------------|---|--|--|--|
| 01 OWNER (if known) <u>Total Petroleum, Inc.</u> | | 02 STREET (Business, mailing, residential) <u>East Superior Street</u> | | | |
| 03 CITY <u>Alma</u> | 04 STATE <u>MI</u> | 05 ZIP CODE <u>48801</u> | 06 TELEPHONE NUMBER <u>(517) 463-1161</u> | | |
| 07 OPERATOR (if known and different from owner) | | 08 STREET (Business, mailing, residential) | | | |
| 09 CITY | 10 STATE | 11 ZIP CODE | 12 TELEPHONE NUMBER | | |

13 TYPE OF OWNERSHIP (Check one)

- ☒ A. PRIVATE ☐ B. FEDERAL _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

- ☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (RCRA 103 ci) DATE RECEIVED: 6/12/81 MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

| | | | | | |
|---|---|---|--|--|--|
| 01 ON SITE INSPECTION | | BY (Check all that apply) | | | |
| <input checked="" type="checkbox"/> YES | DATE <u>8/1</u> | <input checked="" type="checkbox"/> A. EPA | <input type="checkbox"/> B. EPA CONTRACTOR | <input checked="" type="checkbox"/> C. STATE | <input type="checkbox"/> D. OTHER CONTRACTOR |
| <input type="checkbox"/> NO | MONTH DAY YEAR | <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL | <input type="checkbox"/> F. OTHER: _____ (Specify) | | |
| CONTRACTOR NAME(S): _____ | | | | | |
| 02 SITE STATUS (Check one) | | 03 YEARS OF OPERATION | | | |
| <input type="checkbox"/> A. ACTIVE | <input checked="" type="checkbox"/> B. INACTIVE | <input type="checkbox"/> C. UNKNOWN | <u>1936</u> | <u>1966</u> | <input type="checkbox"/> UNKNOWN |
| | | BEGINNING YEAR ENDING YEAR | | | |

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

phenols
cyanide
chrome

lead

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

surface water contamination
soil contamination

V. PRIORITY ASSESSMENT

- 01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
- ☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

| | | | |
|--|---|--|--|
| 01 CONTACT <u>Patrick Lincoln</u> | 02 OF (Agency/Organization) <u>Total Petroleum</u> | 03 TELEPHONE NUMBER <u>(517) 463-1161</u> | |
| 04 PERSON RESPONSIBLE FOR ASSESSMENT <u>Angie Morris / Nancy Rottschaefer</u> | 05 AGENCY <u>MDNR</u> | 06 ORGANIZATION <u>Branchwater</u> | 07 TELEPHONE NUMBER <u>(517) 373-4800</u> |
| | | 08 DATE <u>3/24/86</u> | MONTH DAY YEAR |



| | |
|-------|-------------|
| STATE | SITE NUMBER |
| 26 | 9809 1938 |

01 PHYSICAL STATES (Check all that apply)

E SLURRY
F LIQUID
G GAS

D OTHER

(Security)

02 WASTE QUANTITY AT SITE

Measures of waste quantities must be independent

TONS

CUBIC YARDS

5.73 cu yd

NO OF DRUMS

15 (55 gallon)

03 WASTE CHARACTERISTICS Check all that apply

☒ A TOXIC
☐ B CORROSIVE
☐ C RADIOACTIVE
☐ D PERSISTENT

E SOLUBLE
F INFECTIOUS
G FLAMMABLE
H IGNITABLE

I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

| CATEGORY | SUBSTANCE NAME | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS |
|----------|-------------------------|-----------------|--------------------|---|
| SLU | SLUDGE | | | This refinery was closed down in 1966. Some heavy tank bottoms were spread near tanks during shutdown. There were 15 barrels of heavy oily material pond on site contained phenols and building debris which had carbon and reactor rings |
| OLW | OILY WASTE | | | |
| SOL | SOLVENTS | | | |
| PSD | PESTICIDES | | | |
| OCC | OTHER ORGANIC CHEMICALS | | | |
| IOC | INORGANIC CHEMICALS | | | |
| ACD | ACIDS | | | |
| BAS | BASES | | | |
| MES | HEAVY METALS | | | |

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

V. FEEDSTOCKS (See Appendix for CAS Numbers)

| CATEGORY | 01.FEEDSTOCK NAME | 02 CAS NUMBER | CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER |
|----------|-------------------|---------------|----------|-------------------|---------------|
| FDS | | | FDS | | |
| FDS | | | FDS | | |
| FDS | | | FDS | | |
| FDS | | | FDS | | |

VL SOURCES OF INFORMATION (Cite specific references, e.g., state Med. sample analysis, reports)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
26 98091438

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 21665 04 NARRATIVE DESCRIPTION:

Groundwater has not been sampled at this site. It was suggested by EPA that MDNR may want to test groundwater in the future. Because of the pits of oily waste on the ground and surface water contamination there is the potential for groundwater contamination.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☒ OBSERVED (DATE: May 1981) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 21665 04 NARRATIVE DESCRIPTION:

"Very low levels" of phenol and cyanides were found in the surface water in and around site. Pond on site contained 29 ug/l phenols. Site is next to Pine River.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION:

N/A

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION:

N/A

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 6171 04 NARRATIVE DESCRIPTION:

Fencing around site had been incomplete. There was a pond on site with 29 ug/l phenol. There were 15 barrels containing heavy oily material and building debris. Fences had been repaired by May 1981.

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE: May 1981) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (ACRES) 04 NARRATIVE DESCRIPTION:

Oily tank bottoms included contaminated soil. Some soil has been excavated and will be removed from site.

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION:

N/A
Alma draws city drinking water from the Pine but before the Pine flows past the site.

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION:

N/A

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 21665 04 NARRATIVE DESCRIPTION:

This site is located within the city limits of Alma. Therefore a fairly dense population surrounds the site. Furthermore possible contamination of surface water especially the Pine River could result in population exposure.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

26 98091938

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

N/A

01 ☐ K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

N/A

01 ☐ L. CONTAMINATION OF FOOD CHAIN

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

N/A

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES

(Spills/runoffs/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

when tanks had been taken apart heavy oil spread in the area where the tanks had been. This substance had a tar-like constituency.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

N/A

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

N/A

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 21665

IV. COMMENTS

Total Petroleum has been involved with remedial action at this site. Oily waste and some soil has been removed. Site is inactive. However since no groundwater tests or samples from the Pine were taken, it is difficult to say whether site is "clean".

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Mich DNR, Lansing, Files

Ross Powers, EPA region IV

Larry Elmleat, DNR Env. Enforcement

57 6/1/86
3, med
6/4/86

SITE DESCRIPTION/EXECUTIVE SUMMARY

Site Name and Location

Total Petroleum, Inc. - Midwest Site
1290 N. Bridge Street
Alma, Michigan 48801

County: Gratiot
Michigan Code Number: 29-12N-3W-34DD
DNR District: Lansing
EPA ID Number: MID980901938

SAS Score/Screen No.:

This site was inspected in 1981. Both MDNR and EPA were involved. The problems at this site included pits of tar-like substances on the ground. This was the result of tanks that had been disassembled. The tanks had originally held crude, #6, or #5 fuel oil. The amount of substance in the pits was unknown. This tar-substance contained between 230-1,900 ppm of lead. There were also about 15 barrels containing heavy oil material. The oily waste from the barrels contained 32 ppm chrome and 30 ppm lead.

A pond on the site contained 29 ug/l of phenols. Samples taken by Total from this area showed "very low levels" (no data was given) of phenol and cyanides in the water on and around the site.

Patrick Lincoln, Director for Environmental Affairs for Total indicated that the major problem on the site had been the oily tank bottoms. He said an EP-toxicity test was conducted by Total's laboratories and the material was found to be nonhazardous. Total then applied this material to their on-site roadways. The barrels have been removed. The buildings and tanks have been torn down. Some soil has been excavated and will be removed from the site, date of removal uncertain. The site is inactive.

Follow Up Recommendations for EPA

This site receives a low priority due to the remedial actions taken by Total. The site had been inspected by DNR and EPA. The major problem seemed to be the oily waste which has been removed. The site is inactive.

Date of Previous Summary:
Previous Author:

Current Date: 5/20/86
Author: A. Morris/N. Rottschäfer

Site Assessment Unit
Groundwater Quality Division
Michigan Dept. of Natural Resources